Our Goals

Participants will:

- Develop a Basic Understanding of the Natural Resource Development Process
- Understand Key Legislation
- Identify Government Agency Jurisdiction
Development of a Natural Resource

Exploration & Evaluation - When is a Mine a Mine?

Feasibility Reporting

Financing

The Production Decision

Construction

Mining

Processing

The Environment - Reclamation
Overview of Major Federal Environmental Laws

- Migratory Bird Treaty Act of 1918
- National Historic Preservation Act of 1966
- National Environmental Policy Act of 1969
- Clean Air Act of 1970 & 1990
- Endangered Species Act 1973
- Safe Drinking Water Act of 1975
Overview of Major Federal Environmental Laws (Continued)

- Federal Land Policy Management Act of 1976
- Resource Conservation and Recovery Act of 1976
- Surface Mining Control and Reclamation Act of 1977
- Clean Water Act of 1977
- Archeological Resources Protection Act of 1979
- Comprehensive Environmental Response, Compensation, and Liability Act of 1980
So What Does That Mean?

- Securing Land Use
- Water Use
- Explosives and Hazardous Materials
- Air Quality
- Water Quality
- Native Plants
- Solid Waste Disposal
So What Does That Mean? (Continued)

- Drinking Water and Waste Water Permits
- Flood Control and Building Codes
- Safety Requirements
- Wildlife
- Cultural Resources
- Taxes and Incorporation
Land Use

- Private
- County
- State
- Federal

- Forest Service
- Bureau of Land Management
Drilling and Water Use

- Arizona Department of Water Resources
  - Notice of Intention to Drill
  - Appropriation of Surface Water
  - Withdrawal and Use of Groundwater
  - Construction, Enlargement, Repair, Alteration, or Removal of Dams

- Arizona Department of Environmental Quality
  - Wastewater Reuse Permit
  - Dry Well Registration
  - Injection Wells Used to Extract Minerals
Explosives

- Alcohol, Tobacco and Firearms
  - Explosives

- ADOT, MSHA, ASMI
  - Transportation of Explosives
  - Magazine Construction
Fuel and Oil

Arizona State Mine Inspector

- Above Ground Fuel Storage Tanks

Arizona Department of Environmental Quality & Environmental Protection Agency

- Used Oil Collection Center
- Transporters, Processors/Re-Refiners, Marketers and Burner Licensing and Reporting
Air Quality Control

- Arizona Department of Environmental Quality
  - Air Quality Control Permit
  - Asbestos NESHAP Program Inspections

- County Air Quality Permitting
  - Air Quality Control Permitting
  - Activity Permits
Water Quality

- Arizona Department of Environmental Quality
  - Aquifer Protection Permit
  - Consistency Review
  - Clean Water Act
- Environmental Protection Agency
  - 402 Permit - NPDES (Storm Water)
- U.S. Army Corps of Engineers
  - 404 Permit - “Dredge and Fill”
  - Section 10 Permit - Rivers and Harbors Act
Native Plants

Arizona Department of Agriculture

✓ Notice of Intent to Clear
Hazardous Materials

Arizona Department of Environmental Quality

- Hazardous Waste Permit
- Notification of Regulated Waste Activity EPA form
- Pollution Prevention Plan
- Application for acceptance into the Voluntary Program
- Register as a Hazardous Waste Management Facility
- TRI Reporting - AZ Emergency Response Commission
- Toxic Data Report
- Special Waste Annual Report
Solid Waste Materials

Arizona Department of Environmental Quality

✓ Solid Waste or Special Waste Facility Plan or Aquifer Protection Permit
✓ Solid Waste Notification
✓ Notice of Commencement
Drinking and Waste Water Permits

Arizona Department of Environmental Quality

- Approval for Individual On-Site Disposal System
- Water and Wastewater Facilities - Approval to Construct - MCDES
- Approval to Operate
- Drinking Water Permit - PCDES
Flood Control and Building Codes

Maricopa County Flood Control District and County Planning and Development

- Flood Control Permits and Building Codes
- Anything out of County Jurisdiction - ASMI
Mine Health and Safety

- Mine Safety and Health Administration & State Mine Inspector & OSHA
  - Notice of Start-up, Move, or Stop for Portable Equipment
  - MSHA Forms
Wildlife

Arizona Game and Fish Department & U.S. Fish and Wildlife Service

✓ Agency acts as a consultant - Environmental Impact Statements Must be Filed
Cultural Resources

- Arizona State Museum, Arizona State Land Department Cultural Resources Manager, and Arizona State Historic Preservation Officer-State Parks (Private)
  - Arizona Antiquities Act Permit
  - Bureau of Land Management & U.S.D.A. Forest Service (Federal)
    - Cultural Resources Use Permit
Taxes and Incorporation

- Arizona Department of Revenue
  - Transaction Privilege Tax License
- Arizona Corporation Commission
  - Authority and Articles of Incorporation
Reclamation

- Arizona State Mine Inspector
  - Reclamation Statutes and Rules
- MCFCD
  - Reclamation Guidelines
So Far We Have Established.

- Exploration and Economic Feasibility Reports
- Secure Land or Leases
- Submit Applications, Obtain Permits and File Reports
- Addressing Public Issues
- Special Emphasis on Environmental Issues and Permitting
- Mine Planning

This process on average takes…
QUESTIONS